

ENGLISH LANGUAGE TRANSLATION OF AMENDED CLAIMS

**MODIFIED CLAIMS**

[received from the International Office, 28 November 2004 (28-11-03): claims 1-8 replace by a modified claim 1-3]

- 5 1. Vertical elevator traction system with built-in regulation, safety and emergency means, of the kind that includes an electrical motor made up of a stator (2) and a rotor (1), a traction pulley (3) integrated into the rotor (2), and electromechanical brake (7) what acts by way of shoes on a cylindrical surface integrated into the assembly of traction pulley (3) and rotor (1), a movement detection system and an emergency system for cases of lack of energy, characterised in that the electrical motor is an asynchronous electrical motor whose input current may vary in frequency and tension so that the motor should reach a variable electrical power with values of between a minimum of 2.2 Kw to a maximum of 20 kkw, in order to allow it to lift different loads with the same model of motor.
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- 20 2. Vertical elevator traction system with built-in regulation, safety and emergency means according to claim 1, characterised in that said asynchronous stator (2) is made up of a set of thin sheets joined together by through screws and 72 winding grooves, multiple of 12 poles, and in that the rotor (1) is of the "squirrel cage" type, made of copper and with a diameter of 280 mm and central ring, in the shape of rectangular bars in a circle, said bars having a size of approximately 5 x 16 mm and said bars having an inclination of around 8%.
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- 30 3. Vertical elevator traction system with built-in regulation, safety and emergency means according to claim 1, characterised in that said emergency system for cases of lack of energy is made up of 84 V batteries that directly activate the electrical motor by way of a frequency shifter, which facilitates completing the manoeuvre that allows the elevator to reach the floor level and open its doors.

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